About this course
This course utilizes the same courseware that was previously only available with an in-center classroom enrollment. It features a learning platform custom built by ABB University courseware developers, designed expressly to meet the needs of industrial automation users. A virtual machine with ABB controller simulation and system application software is provided for practice and completion of course labs. The in-center class requires a student to attend five days of training, plus travel time. By taking the on-line course, a student can remain on site, at home and save on travel costs.

24-7-365 Availability
Access courseware anytime, from anywhere, when it’s most convenient for you.

Lifetime Access
This course and all your personal notes will remain available to you for life.

2 Weeks Virtual Machine
Access to cloud based virtual machine loaded with ABB controller and system software.

This course is for you if:
You are a control engineer, system engineer, service engineer, or a maintenance technician. While targeted to a specific application, ABB PMC800 Paper Machine drive control, this course is also applicable to similar drive control applications.

The main topics that will be covered in this course:
- AC800M, Control Builder, and Process Panel system architecture and hardware
- Interface drives with ACS880 using Drive Composer
- Creating a Control Builder project
- Managing libraries, connecting I/O
- Using IEC 61131-3 programming languages
- Creating an using control modules
- Process panel communications
- Process panel configuration
- Control Builder and Process Panel builder project maintenance

Or contact us:
Tel: 1 800 HELP 365, option 2, option 4
Email: abbuniversity@us.abb.com

Enroll at:
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You’ll walk away with

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| **Prerequisites** | **Course Objectives** | **The key to maximum knowledge acquisition is hands-on practice.**
| There are no prerequisites for this course, but students are expected to have working knowledge of Control System fundamentals and have basic Microsoft Windows experience. | Upon completion of this course you will be able to:
- Build and configure a small system using AC800M controllers and Process Panel
- Use a project description and P&ID to define a control logic solution to meet process control objectives
- Use Control Builder to make the connection between S800 I/O modules and the control logic
- Recognize a variety of IEC 61131-3 compliant languages that Control Builder uses to implement control logic in an AC800M controller.
- Configure a Process Panel to act as an operator interface and establish communication with the AC800M controller
- Configure an interface between the AC800M controller and an ABB drive
- Review PMC800 application software for Paper Machine drive control. | ABB University on-line courses feature a virtual machine, hosted on ABB cloud servers. This virtual machine is loaded with the appropriate ABB controller simulation and system application software necessary to complete the on-line course labs, running on top of the Microsoft Windows operating system. This virtual machine is a safe way to practice knowledge learned from the on-line course without disruption to a working production system.

An understanding of AC800M hardware, function block and structured text programming.
The ability to manage libraries, assign tasks and schedules, and interface drives.
Experience with Process Panel Builder, Control Builder, Drive Composer, and projects.

The key to maximum knowledge acquisition is hands-on practice.

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